

Figure 1

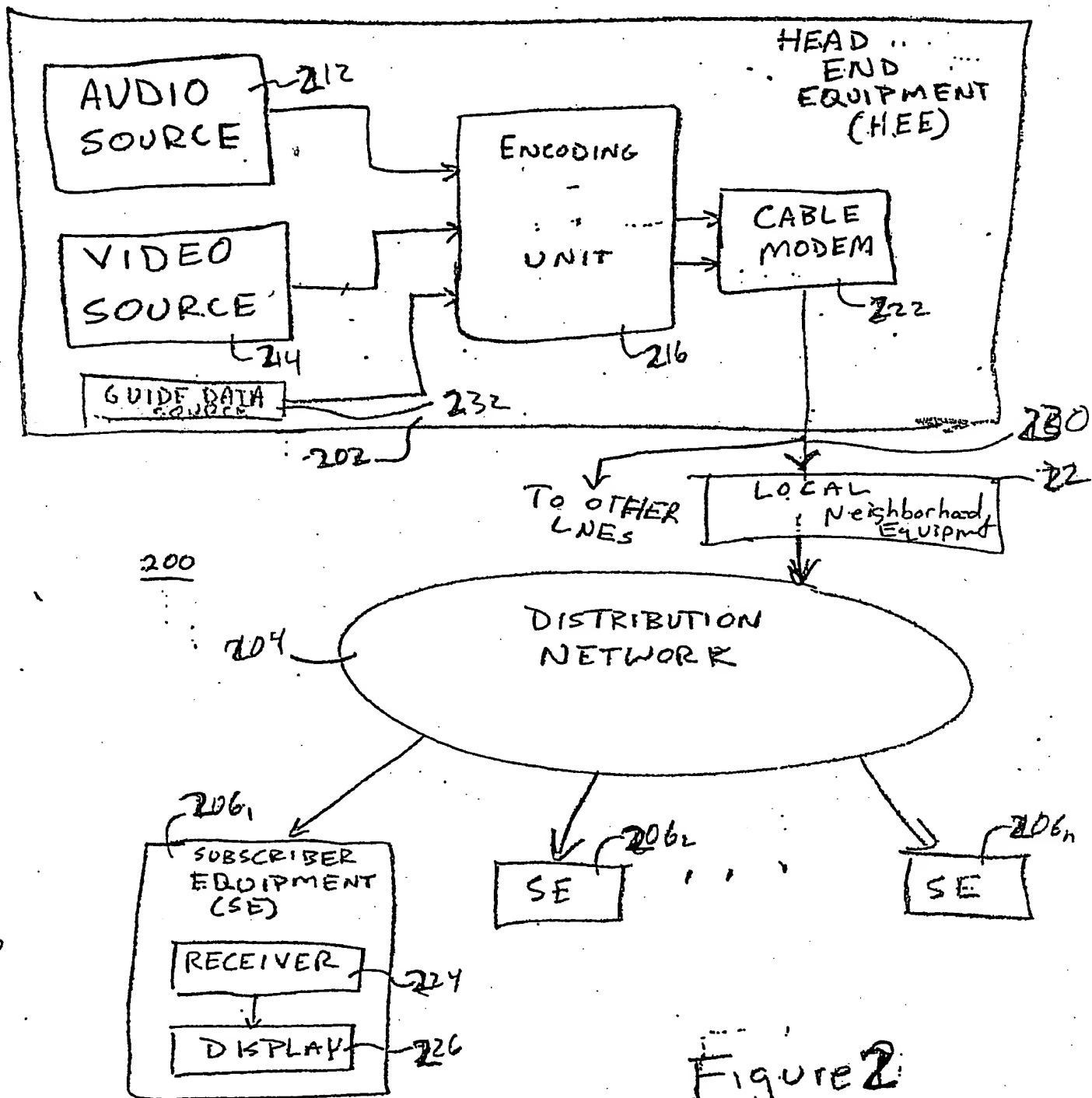


Figure 2

SLICE 1 (g/s1)	SLICE 1 (v/s1)
SLICE 2 (g/s2)	SLICE 2 (v/s2)
...	...
SLICE N (g/sN)	SLICE N (v/sN)

100 →

↑
102

↑ 101

FIGURE 3

216

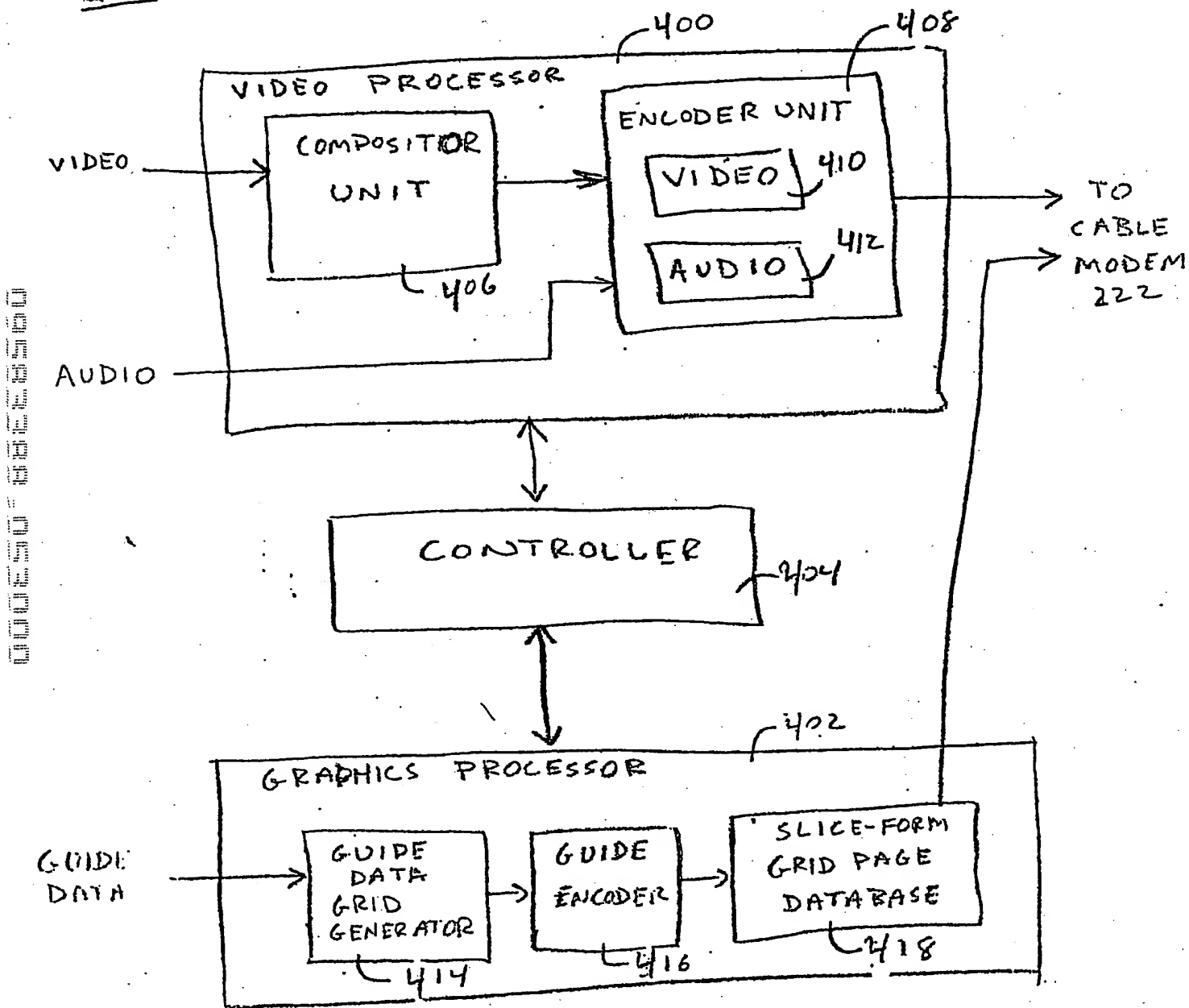


FIGURE 4

228

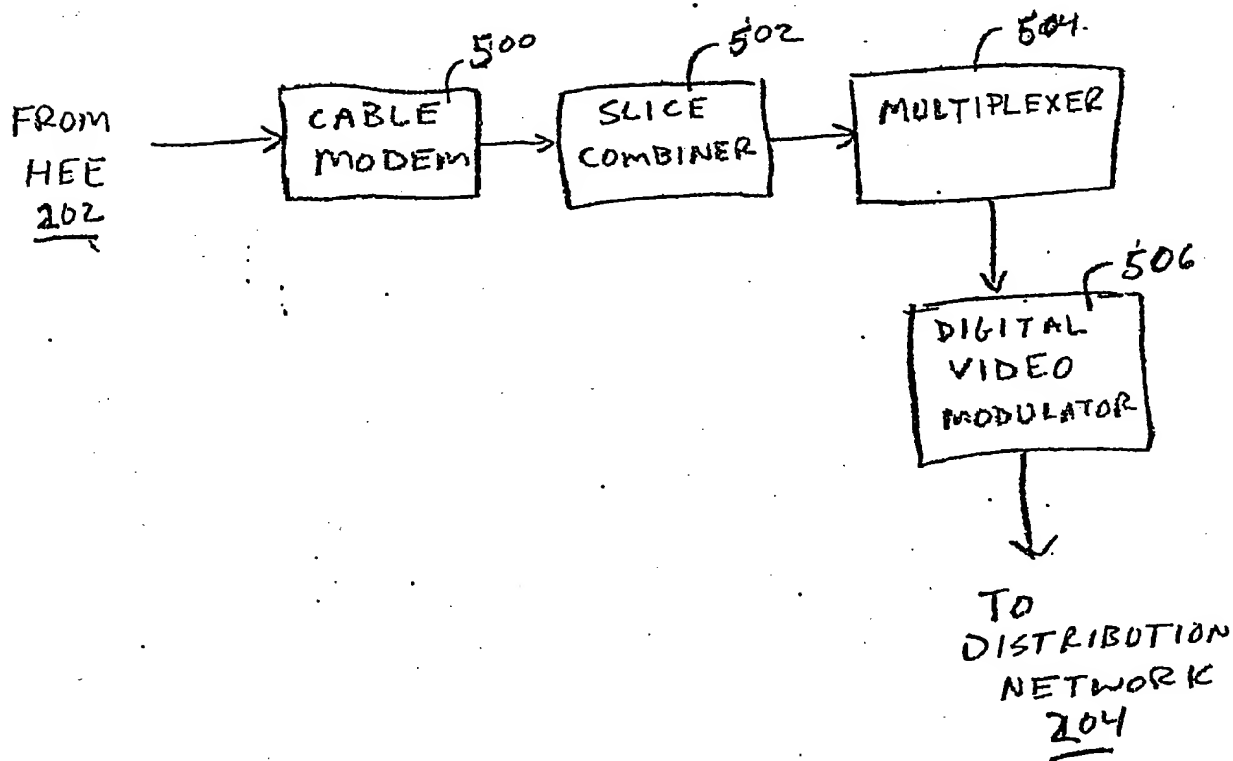


FIGURE 5

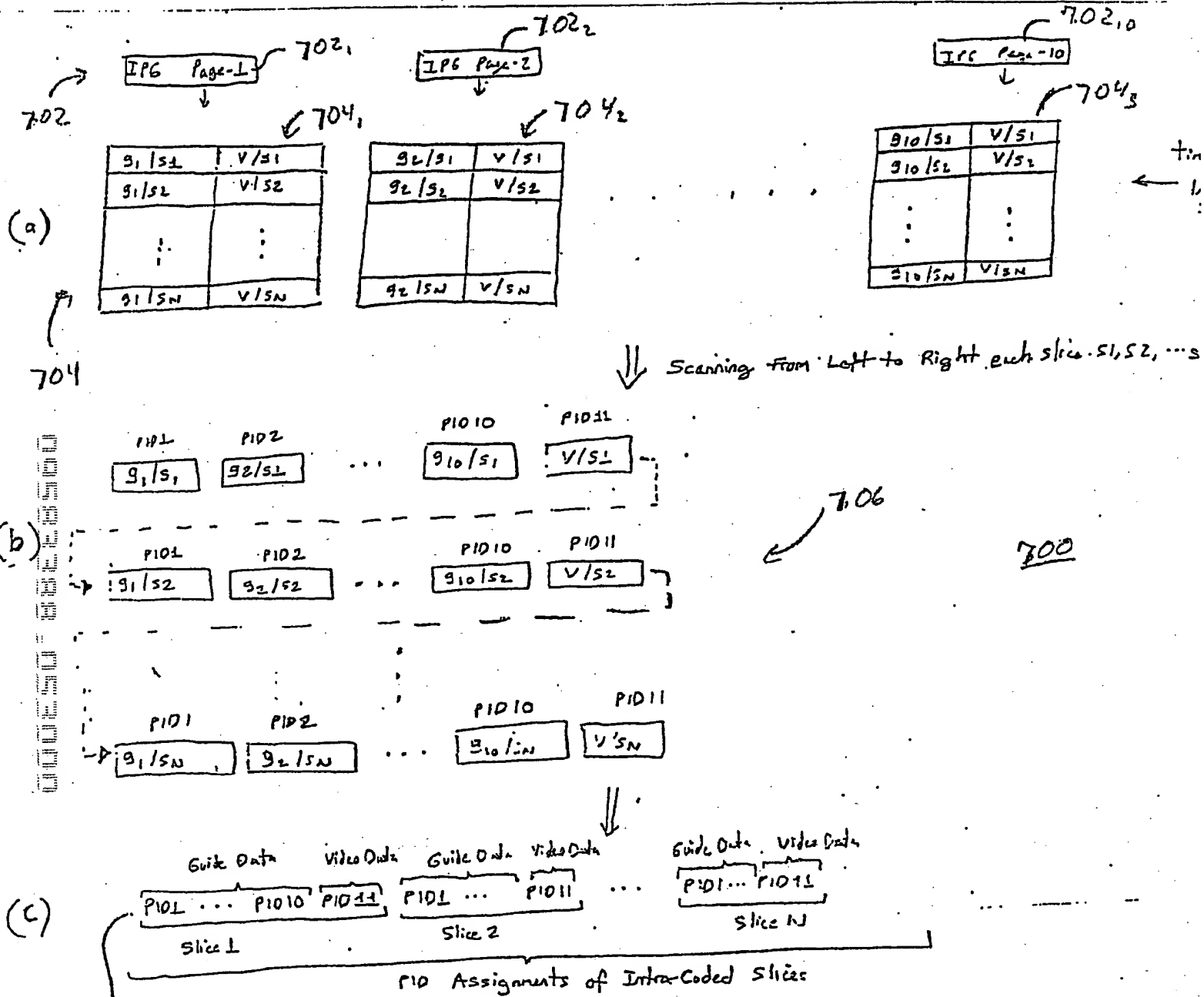
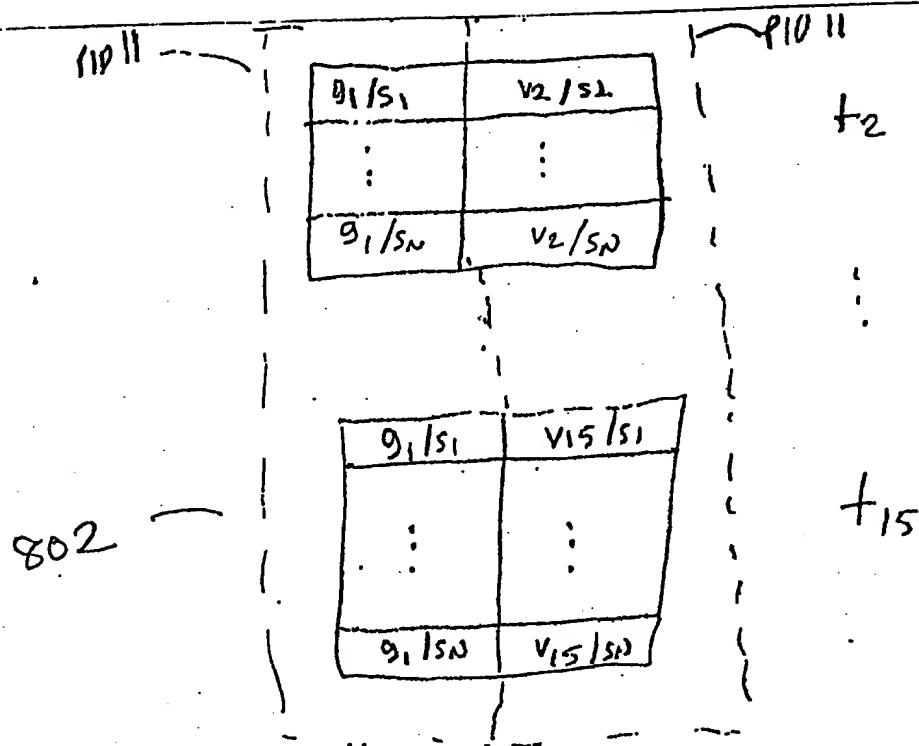
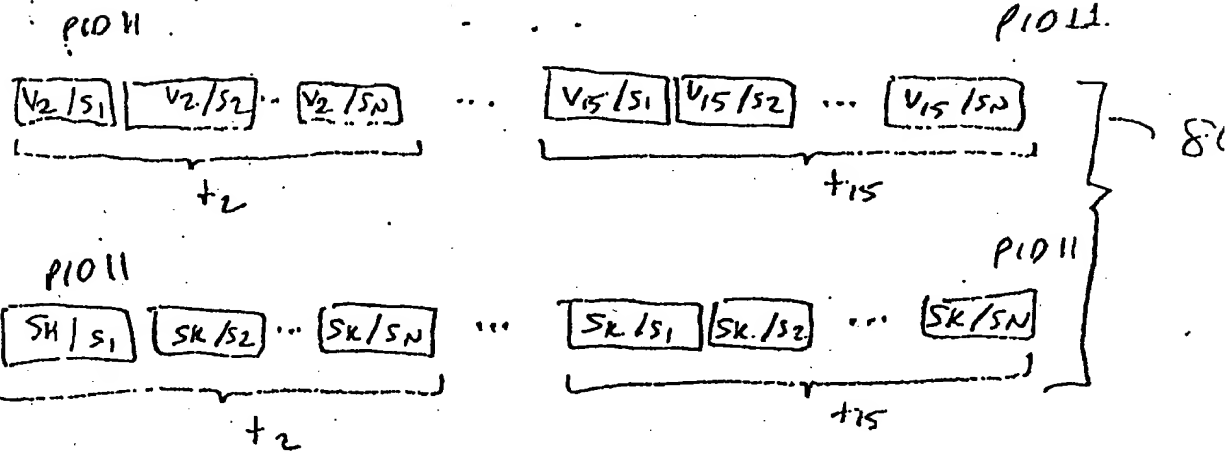


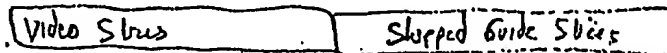
Figure 7



Scanning Video Slices
from left to right
top to bottom



800



PID 11 — 806

Figure 8

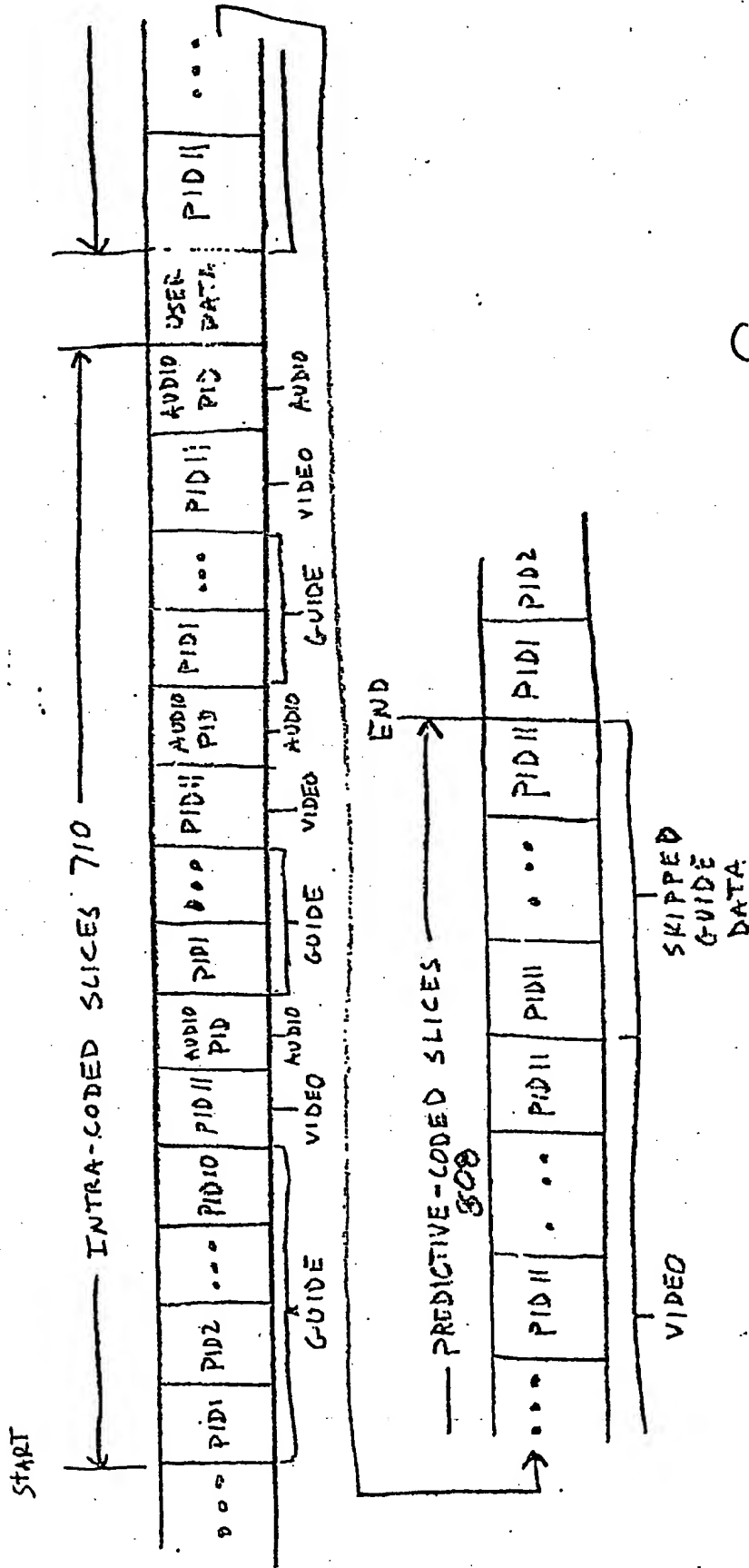


Figure 9

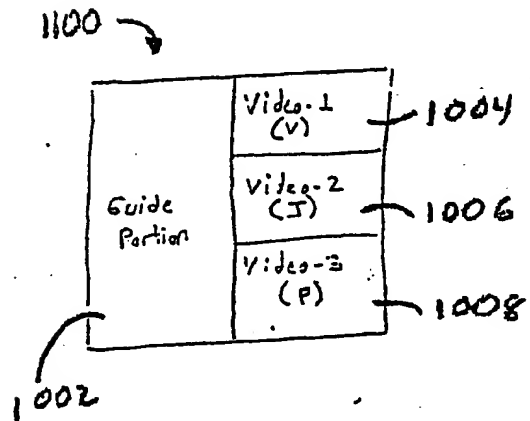


FIGURE 11A

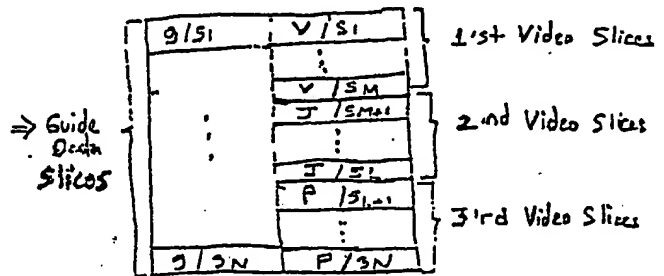


Figure 11'B

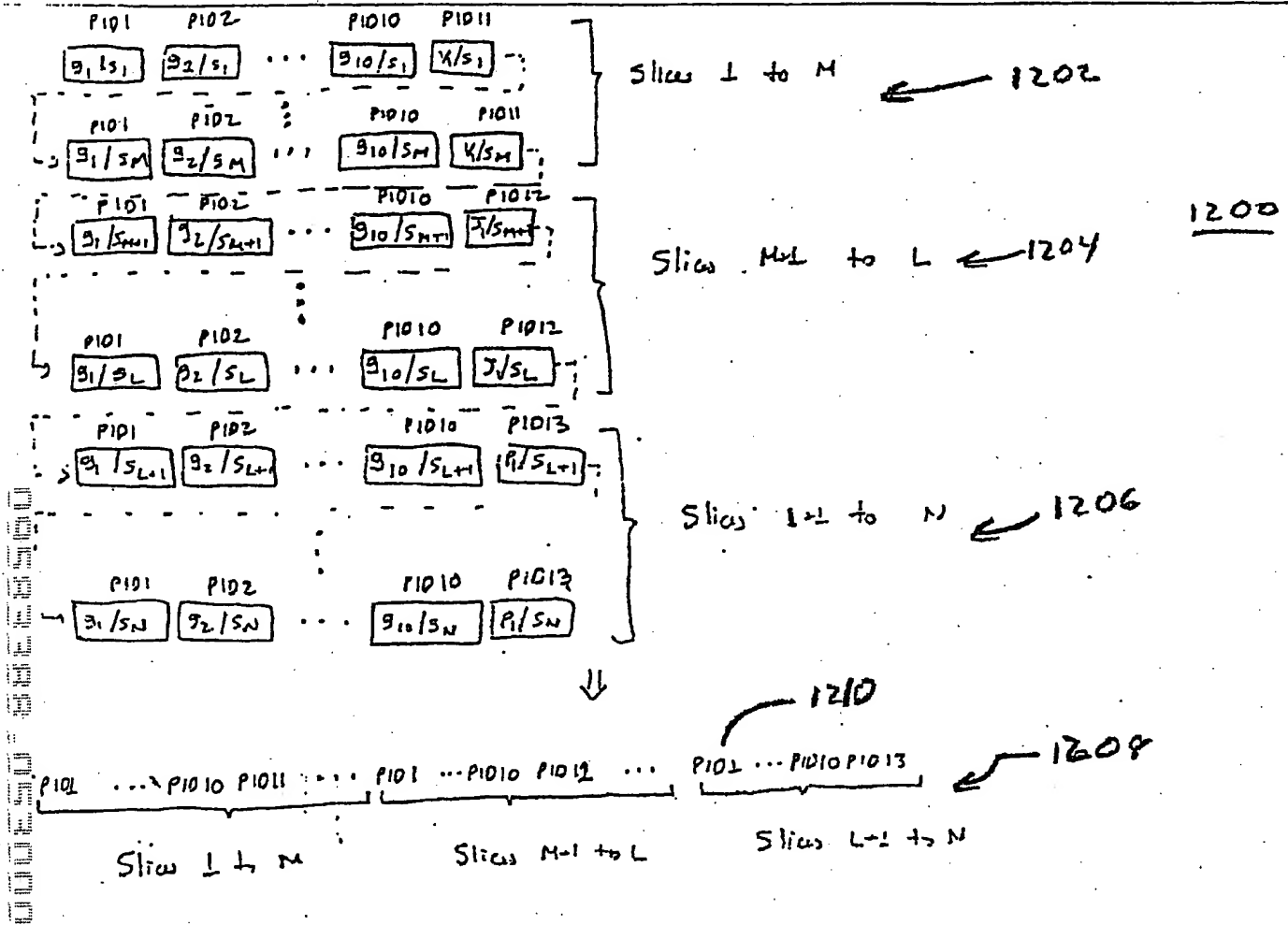


Figure 12

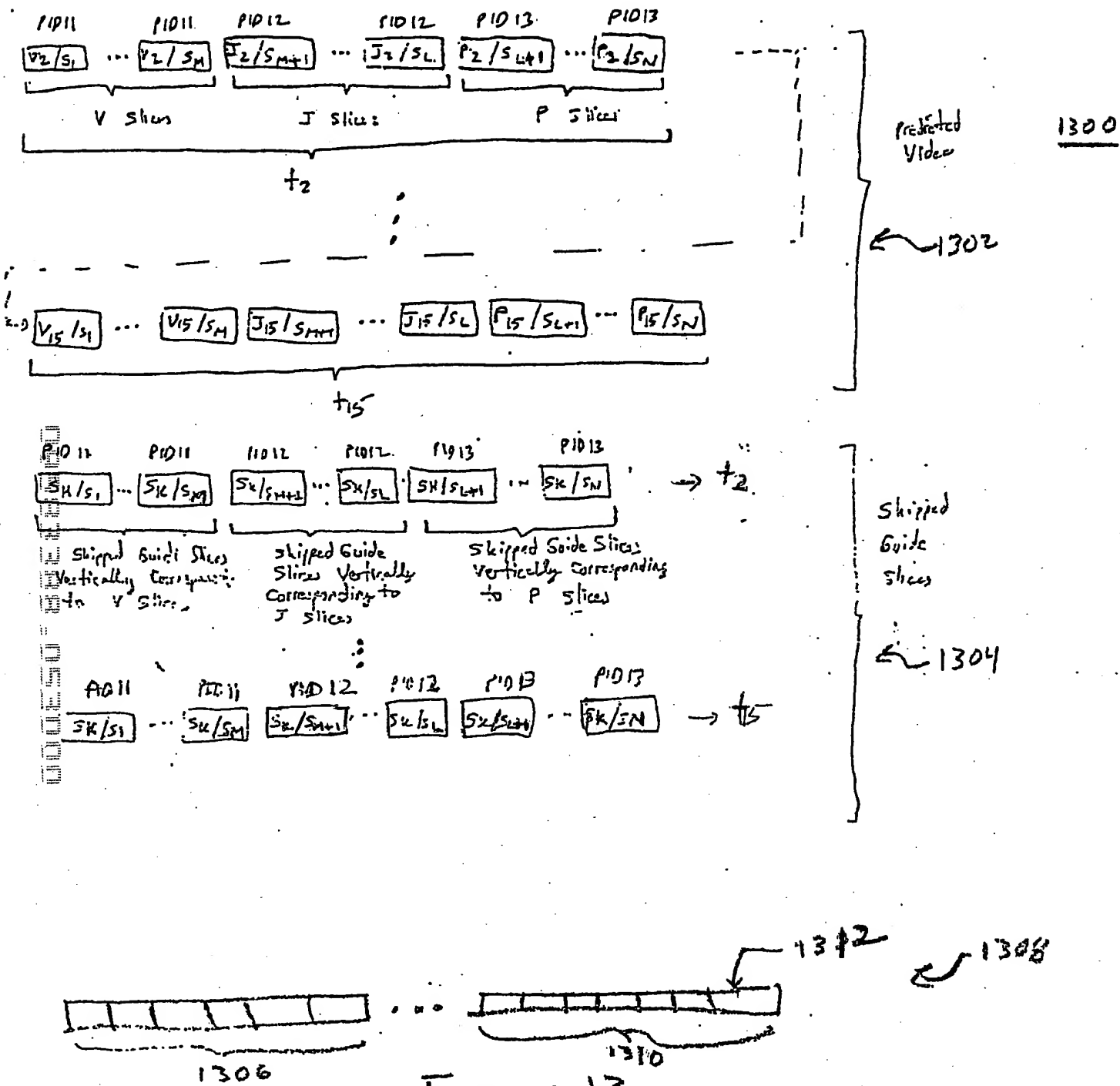


Figure 13

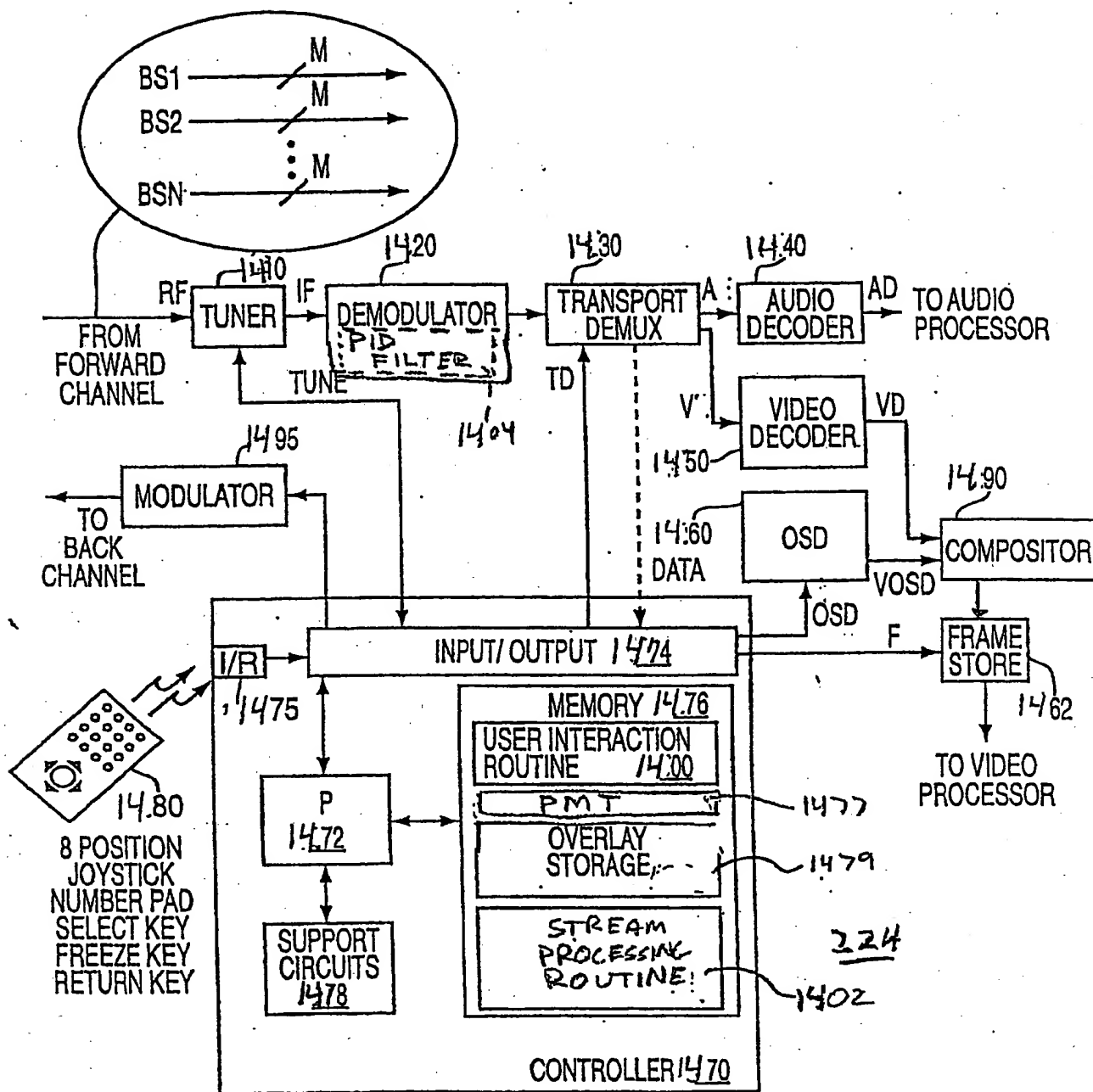


Figure 14

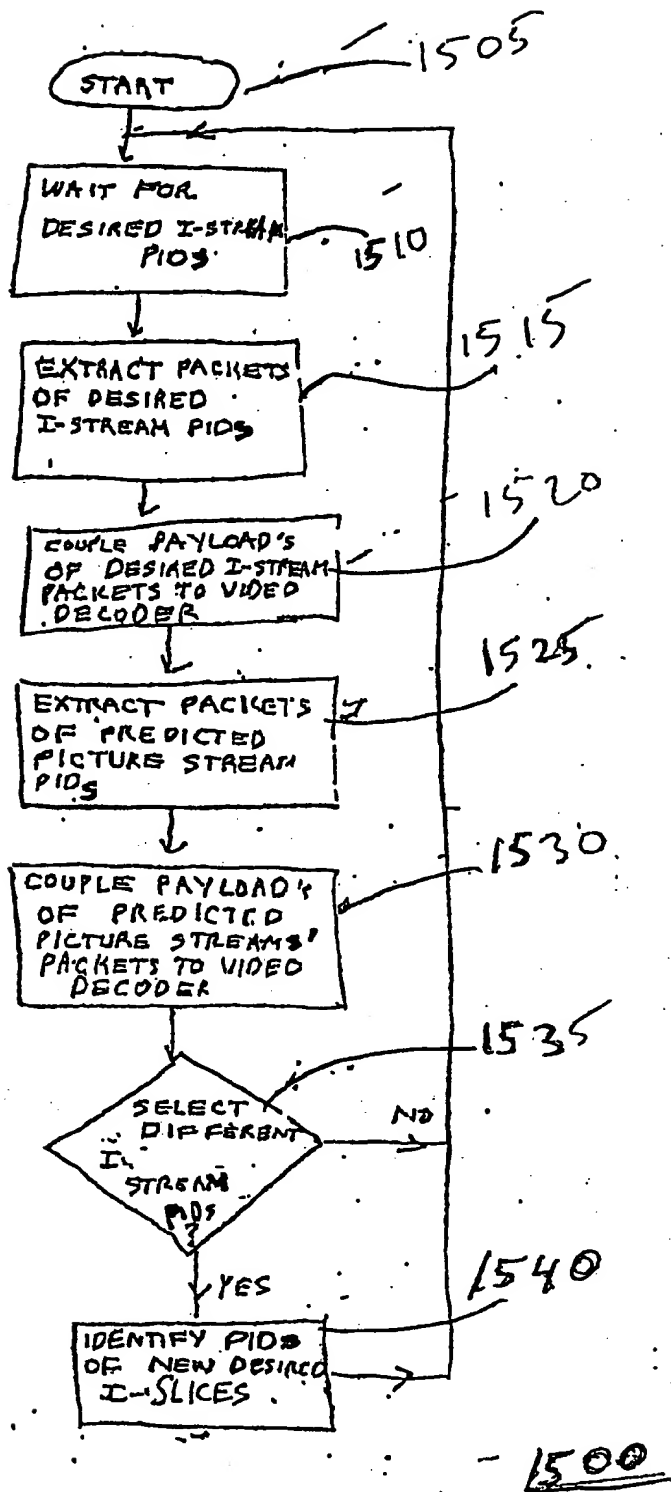


Figure 15

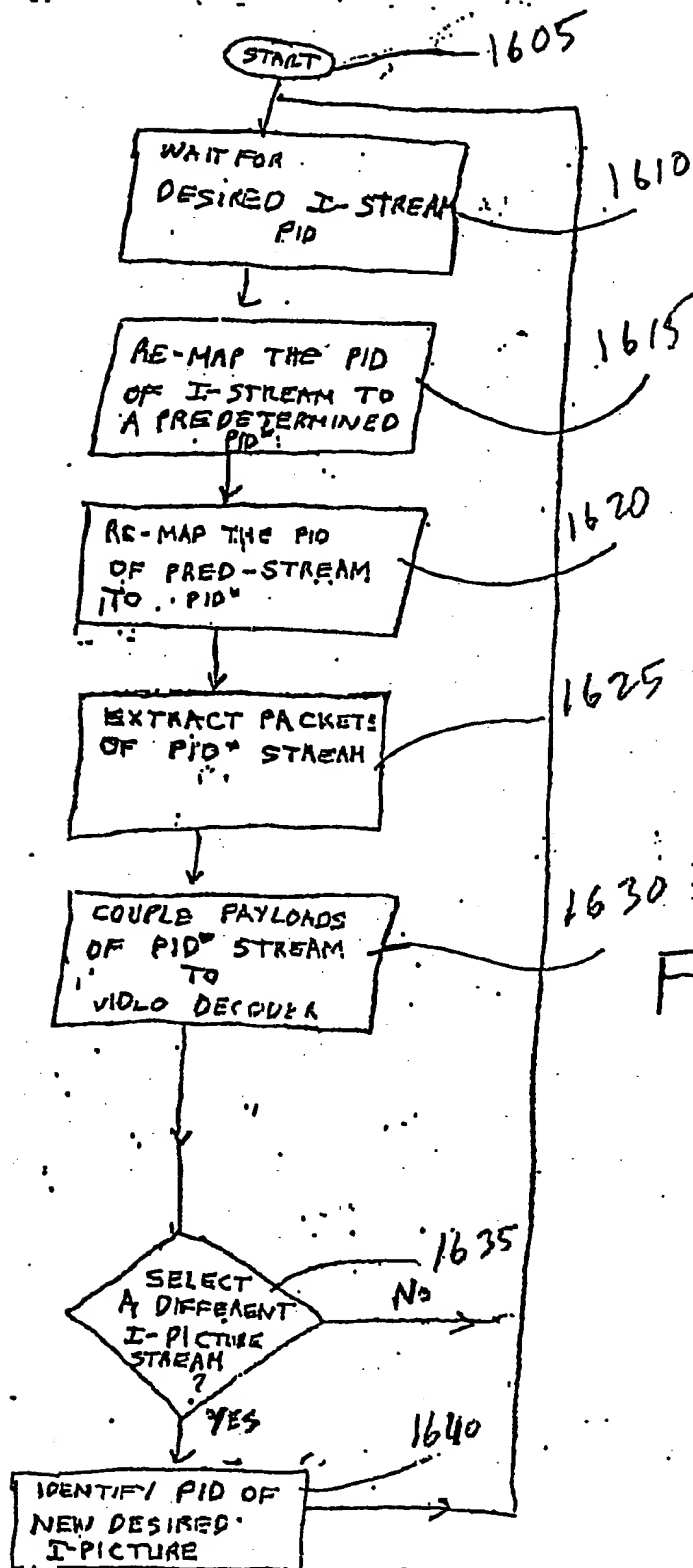
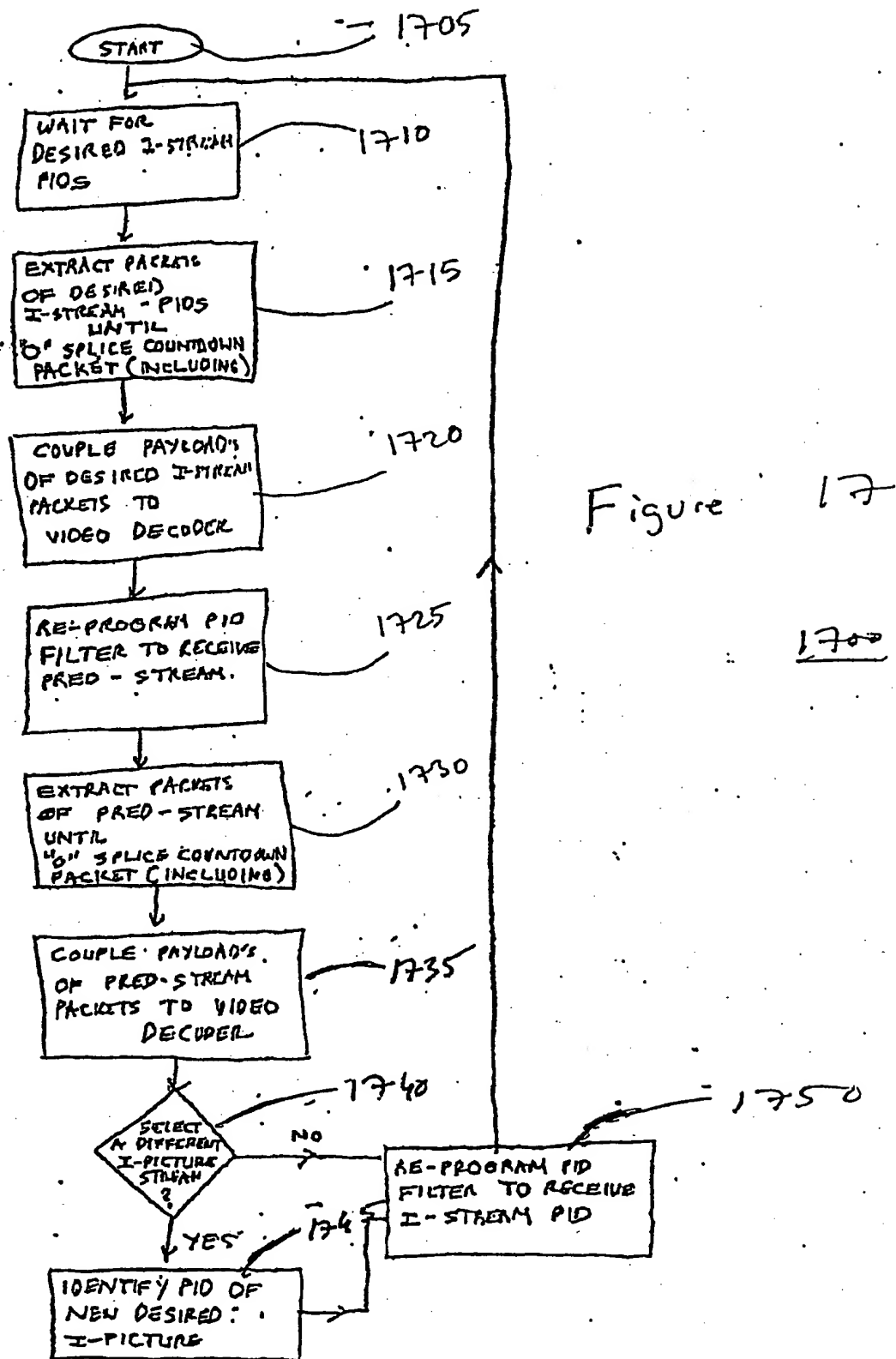


Figure 16



1800

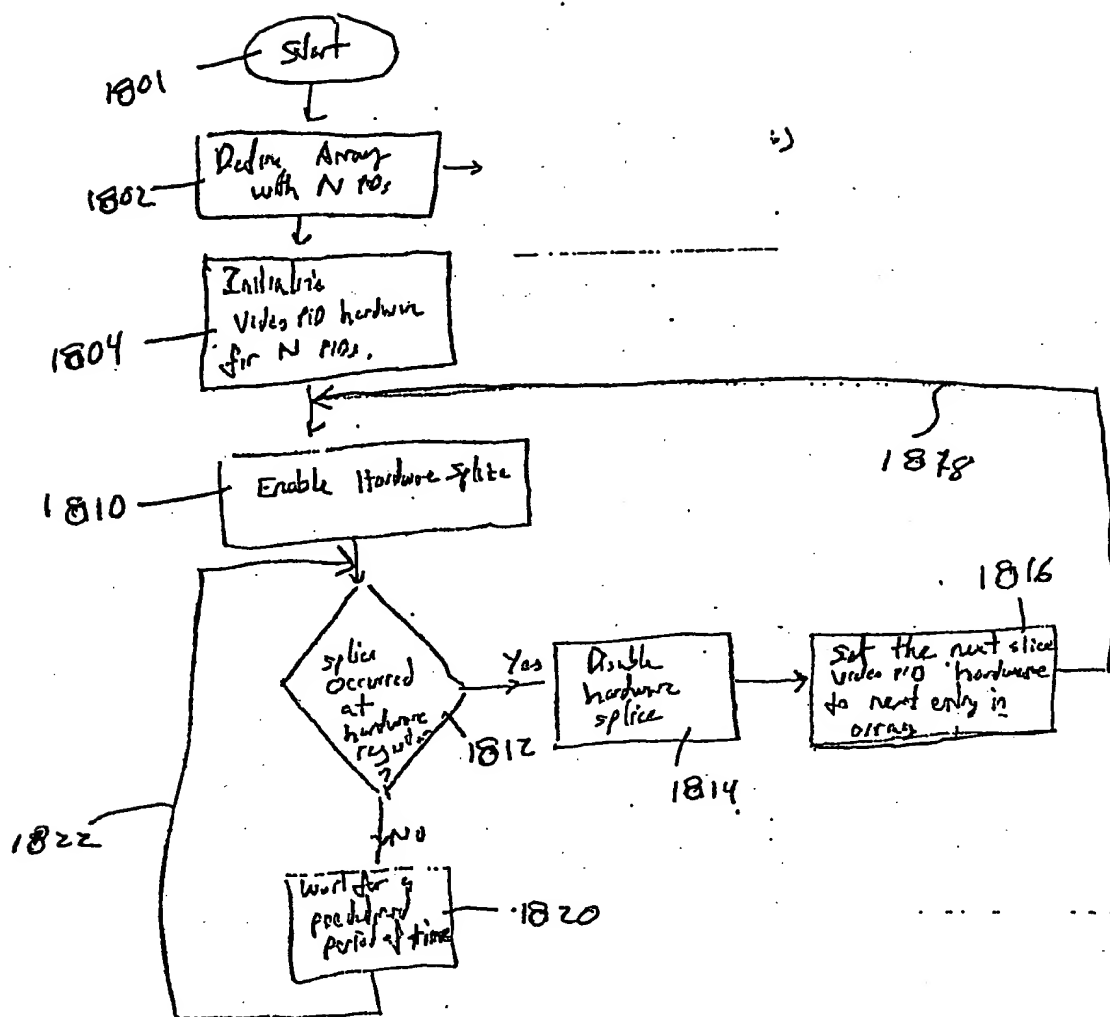


Figure 18

time = t_1

000050-8888800

<u>PID1</u>	<u>PID2</u>	<u>PID3</u>	...	<u>PID9</u>	<u>PID10</u>	<u>PID11</u>	<u>PID12</u>	<u>PID13</u>
$g1/s1$	$g2/s1$	$g3/s1$	...	$g9/s1$	$g10/s1$	$v1/s1$	$m1/s1$	$k1/s1$
$\hookrightarrow g1/s2$	$g2/s2$	$g3/s2$	...	$g9/s2$	$g10/s2$	$v1/s2$	$m1/s2$	$k1/s2$
$\hookrightarrow g1/s3$	$g2/s3$	$g3/s3$	...	$g9/s3$	$g10/s3$	$v1/s3$	$m1/s3$	$k1/s3$
...
...
$\hookrightarrow g1/sN$	$g2/sN$	$g3/sN$	...	$g9/sN$	$g10/sN$	$v1/sN$	$m1/sN$	$k1/sN$

~
1900

Intra-coded Guide and Video

Fig. 19

Time	PID 11	PID 12	PID 13	PID 14	PID 15	PID 16	PID 17	PID 18
t_2	V2/S1	M2/S1	K2/S1	V2/S2	M2/S2	K2/S2	V2/SN	M2/SN
t_3	V3/S1	M3/S1	K3/S1	V3/S2	M3/S2	K3/S2	V3/SN	M3/SN
t_4	V4/S1	M4/S1	K4/S1	V4/S2	M4/S2	K4/S2	V4/SN	M4/SN
t_5	V15/S1	M15/S1	K15/S1	V15/S2	M15/S2	K15/S2	V15/SN	M15/SN

Predicted Video 2000

Fig. 20

00000000000000000000

time	PID11	PID12	PID13	PID11	PID12	PID13	PID11	PID12	PID13
t_2	SK/S1	SK/S1	SK/S1	SK/S2	SK/S2	SK/S2	SK/SN	SK/SN	SK/SN
t_3	SK/S1	SK/S1	SK/S1	SK/S2	SK/S2	SK/S2	SK/SN	SK/SN	SK/SN
t_4	SK/S1	SK/S1	SK/S1	SK/S2	SK/S2	SK/S2	SK/SN	SK/SN	SK/SN
\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots
t_{15}	SK/S1	SK/S1	SK/S1	SK/S2	SK/S2	SK/S2	SK/SN	SK/SN	SK/SN

Skipped Guide 2100

Fig. 21

Video and Graphics
2214, 2215

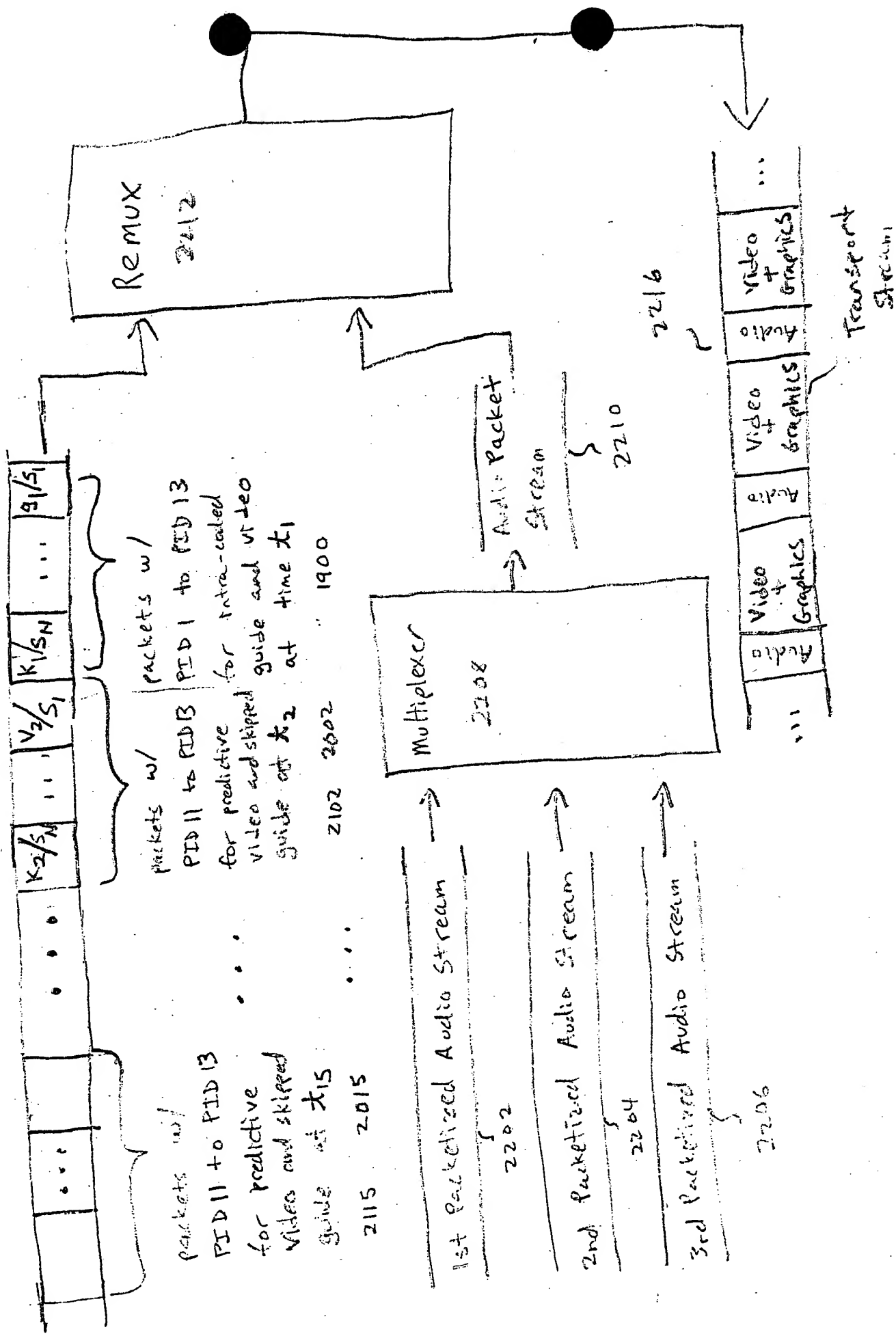


Fig. 22

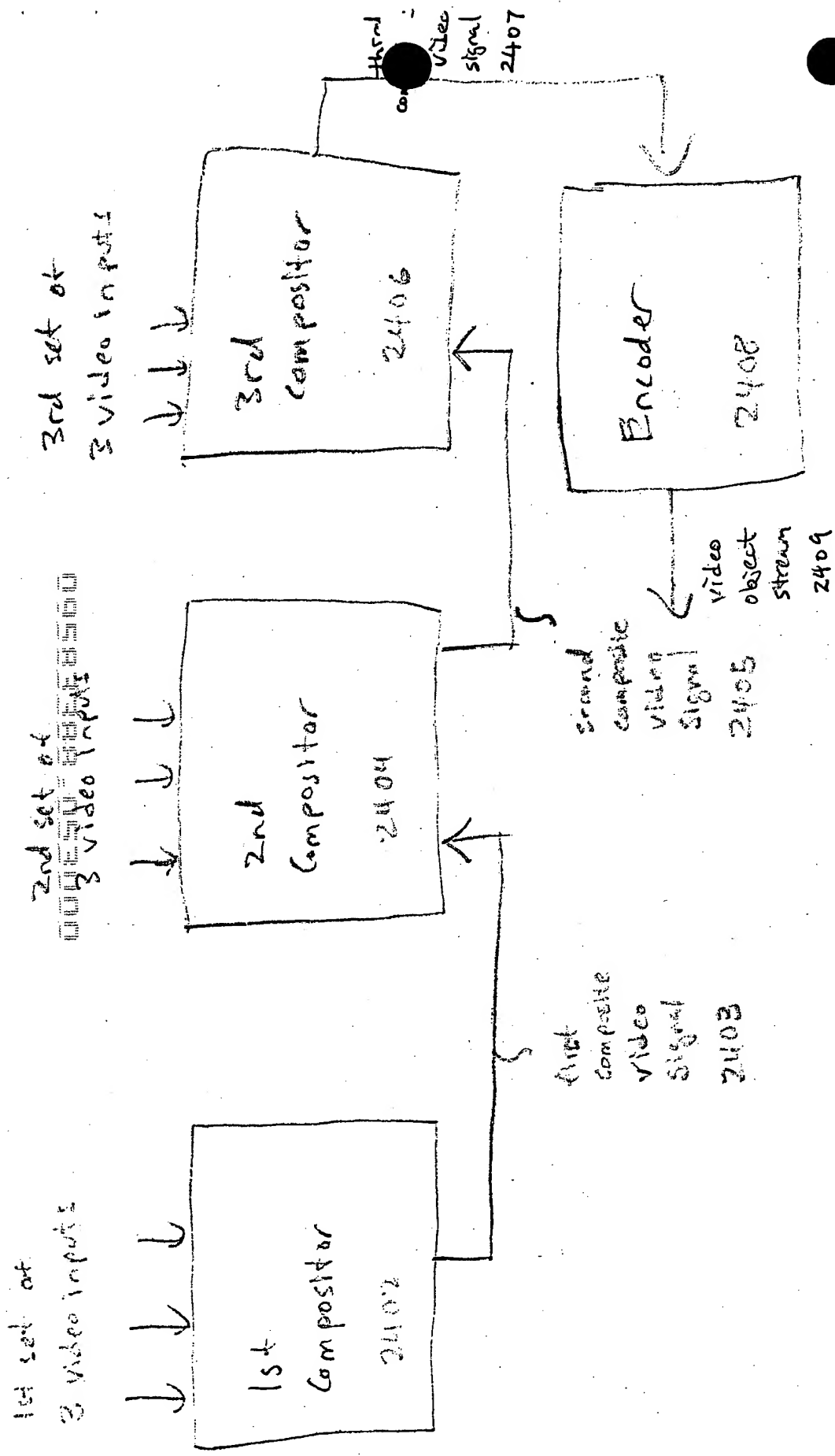
01	04	07
02	05	08
03	06	09

⑤

$0_1/S_1$	$0_2/S_1$	$0_3/S_1$
:	:	:
:	:	:
:	:	:
$0_1/S_N$	$0_2/S_N$	$0_3/S_N$
$0_4/S_{N+1}$	$0_5/S_{N+1}$	$0_6/S_{N+1}$
:	:	:
:	:	:
:	:	:
$0_4/S_{2N}$	$0_5/S_{2N}$	$0_6/S_{2N}$
$0_7/S_{2N+1}$	$0_8/S_{2N+1}$	$0_9/S_{2N+1}$
:	:	:
:	:	:
:	:	:
$0_7/S_{3N}$	$0_8/S_{3N}$	$0_9/S_{3N}$

②

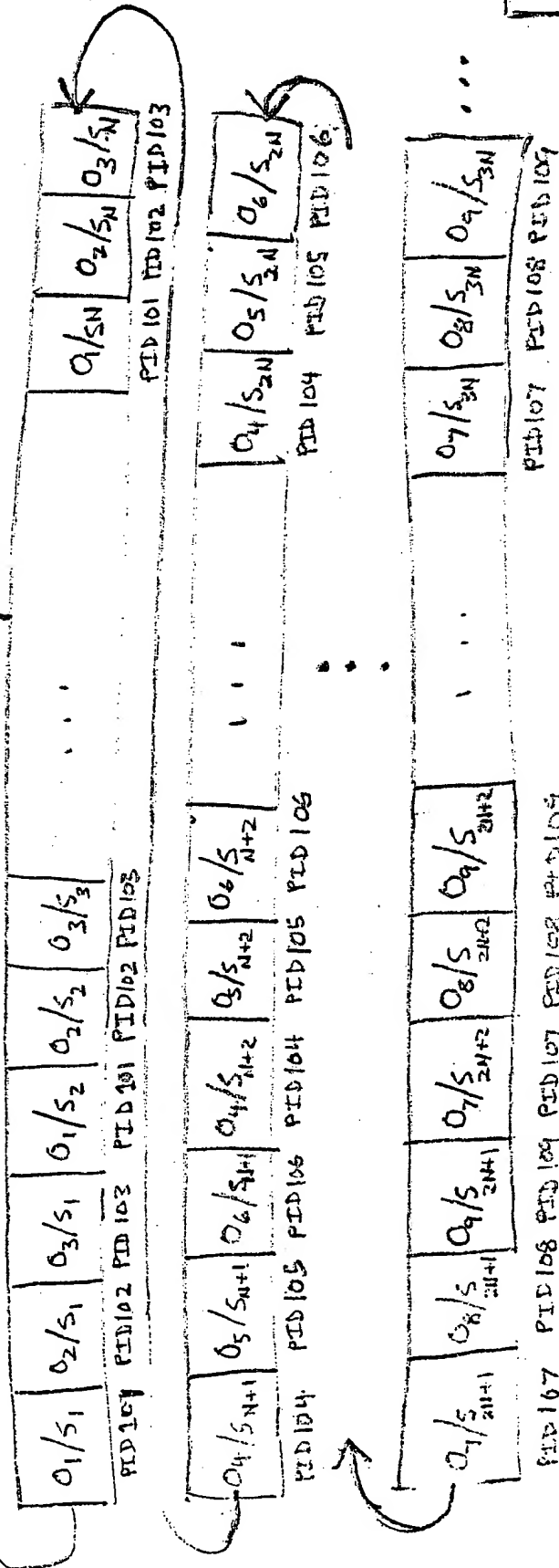
Fig. 23



Cascade Compositor

Fig. 24

2502



2504

Multiplexed Packetized Audio Stream



Object Transport

Stream 2508

Fig. 25

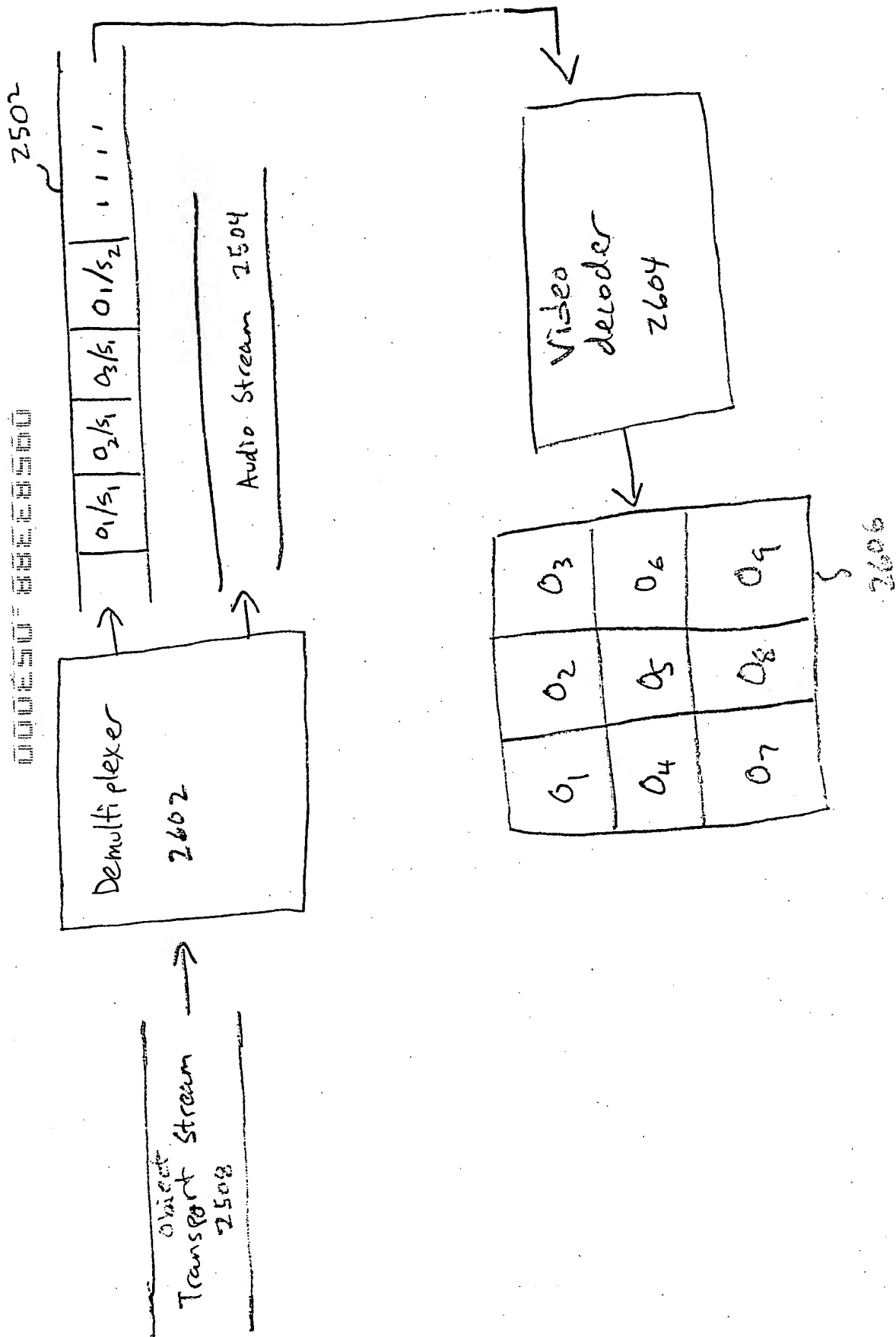


Fig. 26

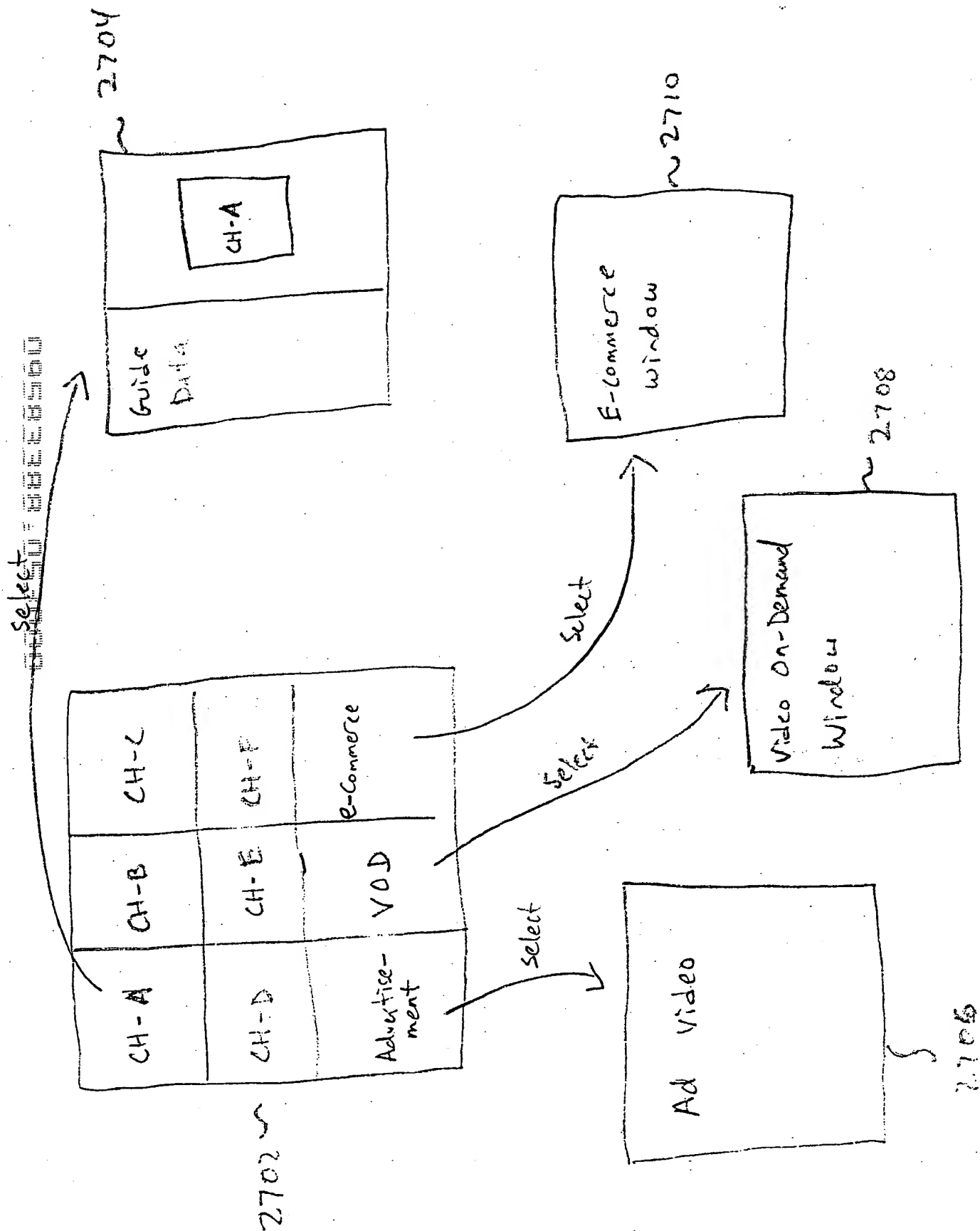


Fig. 27

0000000000000000

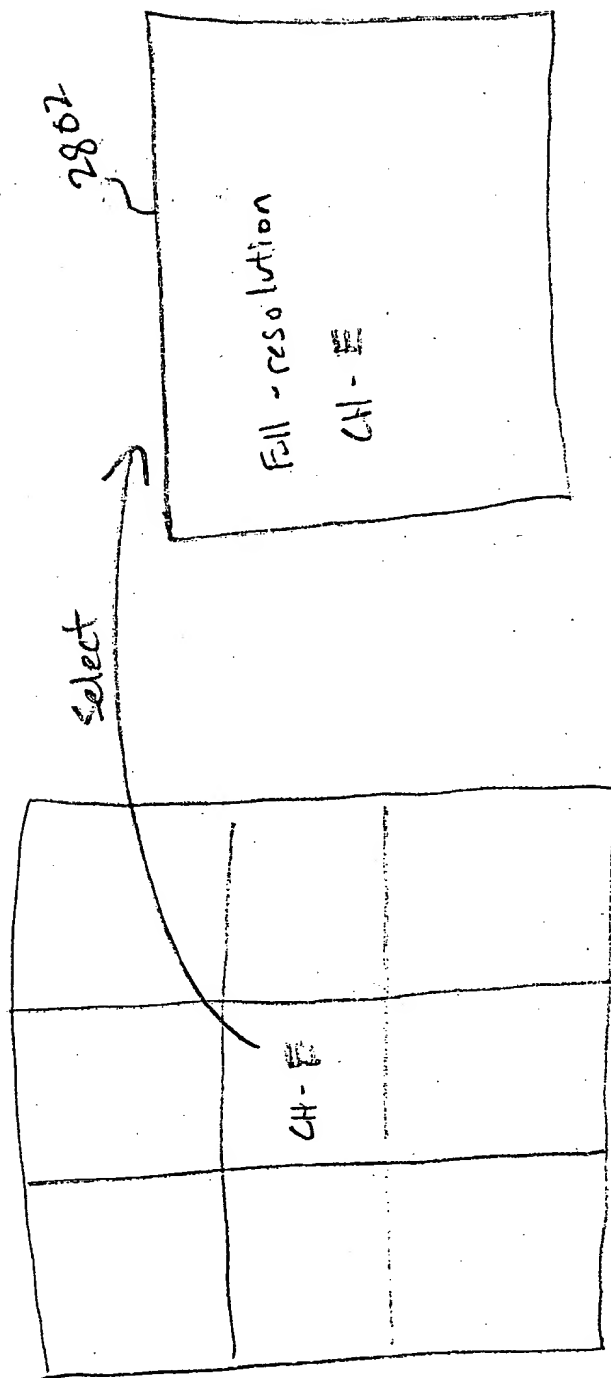


Fig. 28

0000000000000000

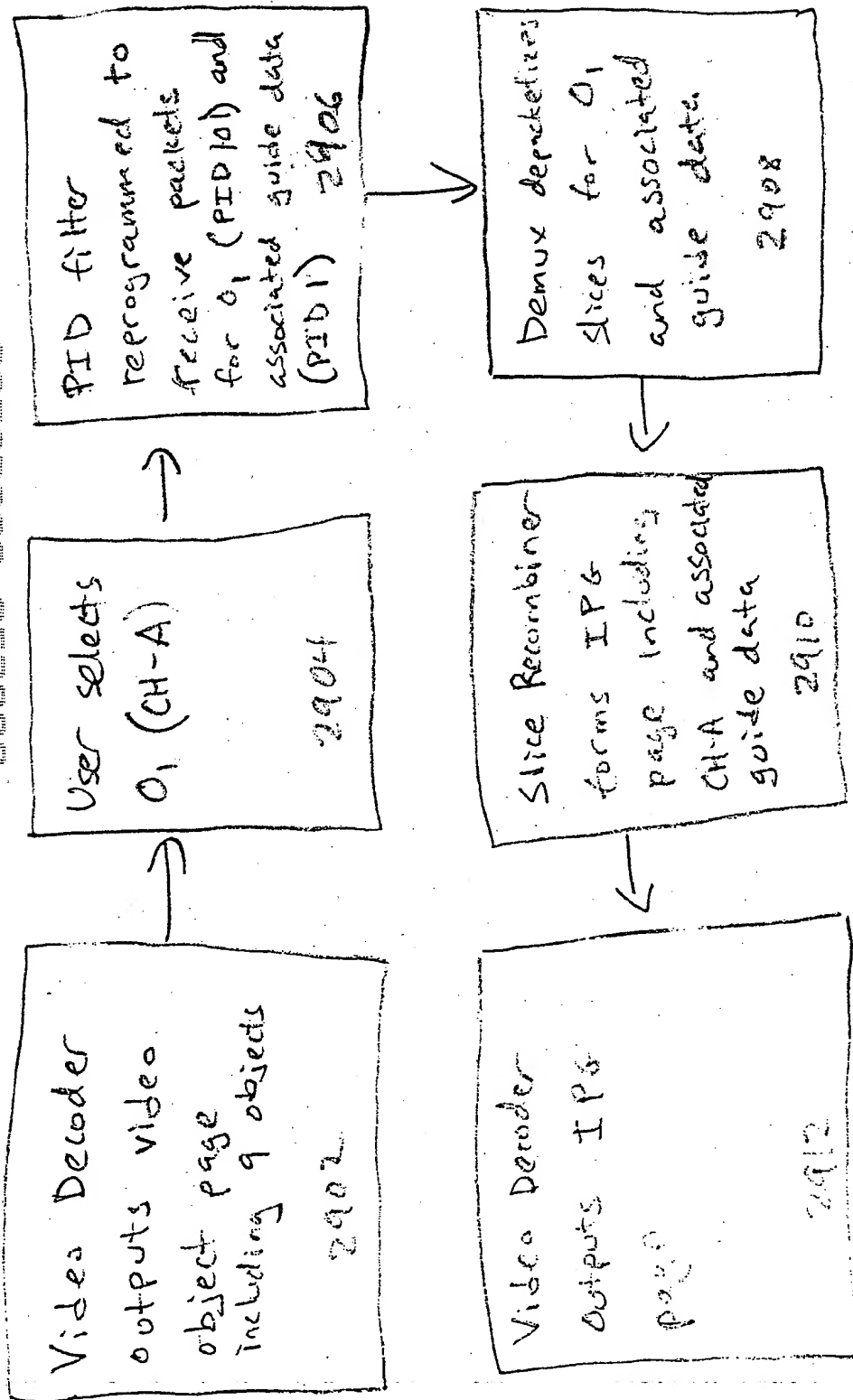
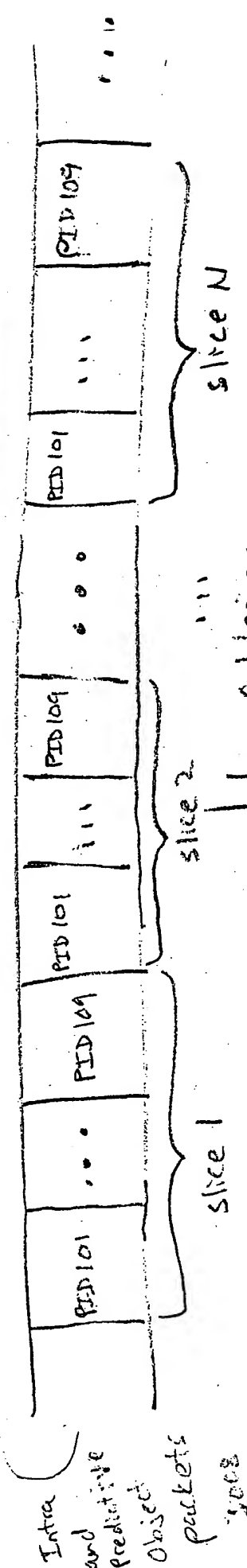
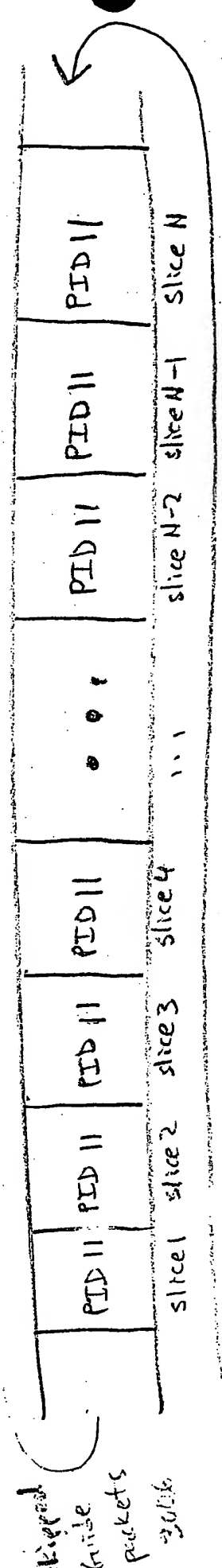
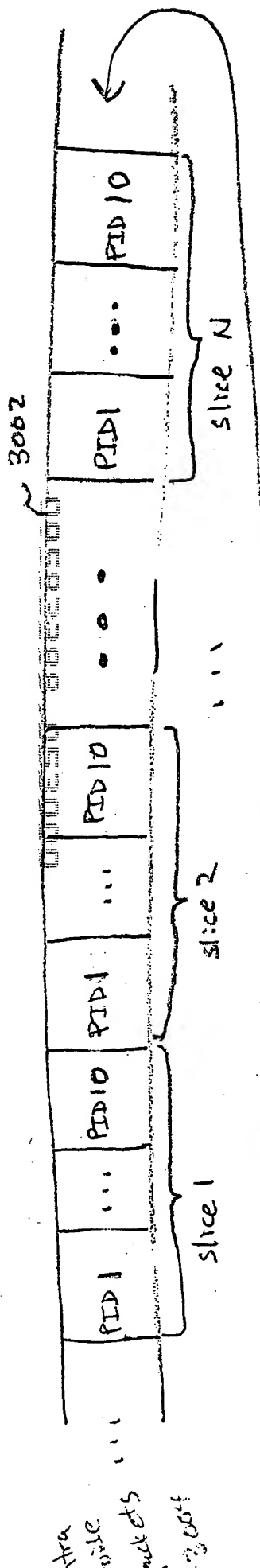


Fig. 29



filtering
3010

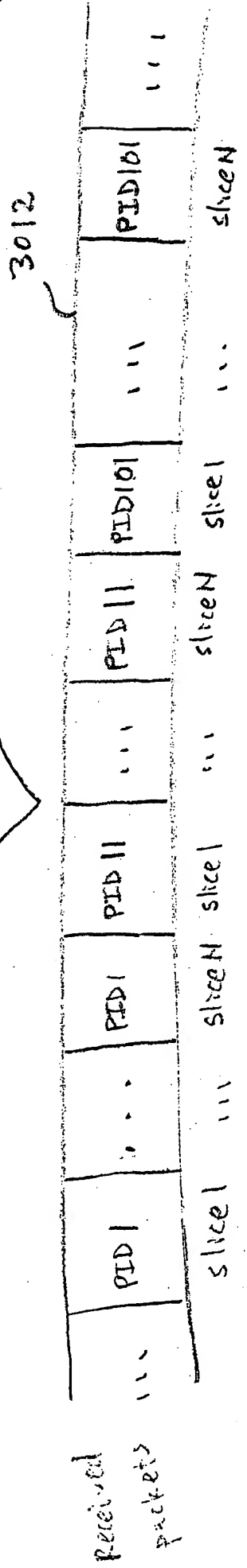
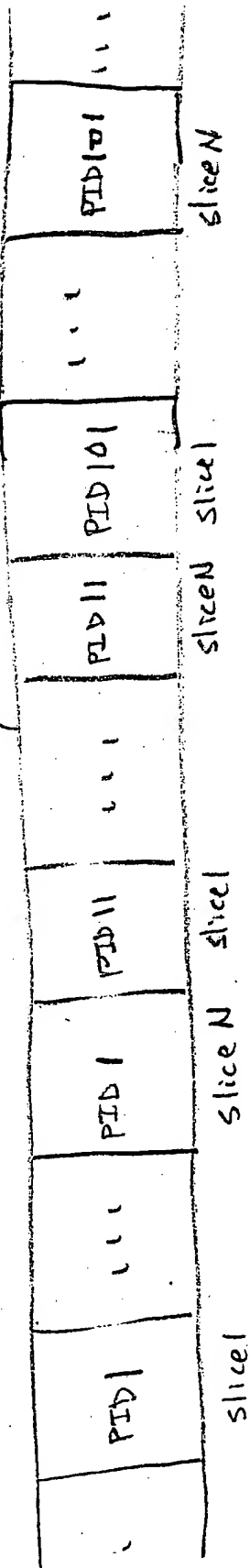


Fig. 30

CODED FRAME



slice
Recombination
3102

PID1/s1	PID101/s1
PID1/s2	PID101/s2
PID1/s3	PID101/s3
...	...
PID1/SN	PID101/SN

Intra-Coded Frame
3104

PID11/s1	PID101/s1
PID11/s2	PID101/s2
PID11/s3	PID101/s3
...	...
PID11 SN	PID101/SN

Predictive-Coded Frames
3106

Fig. 31

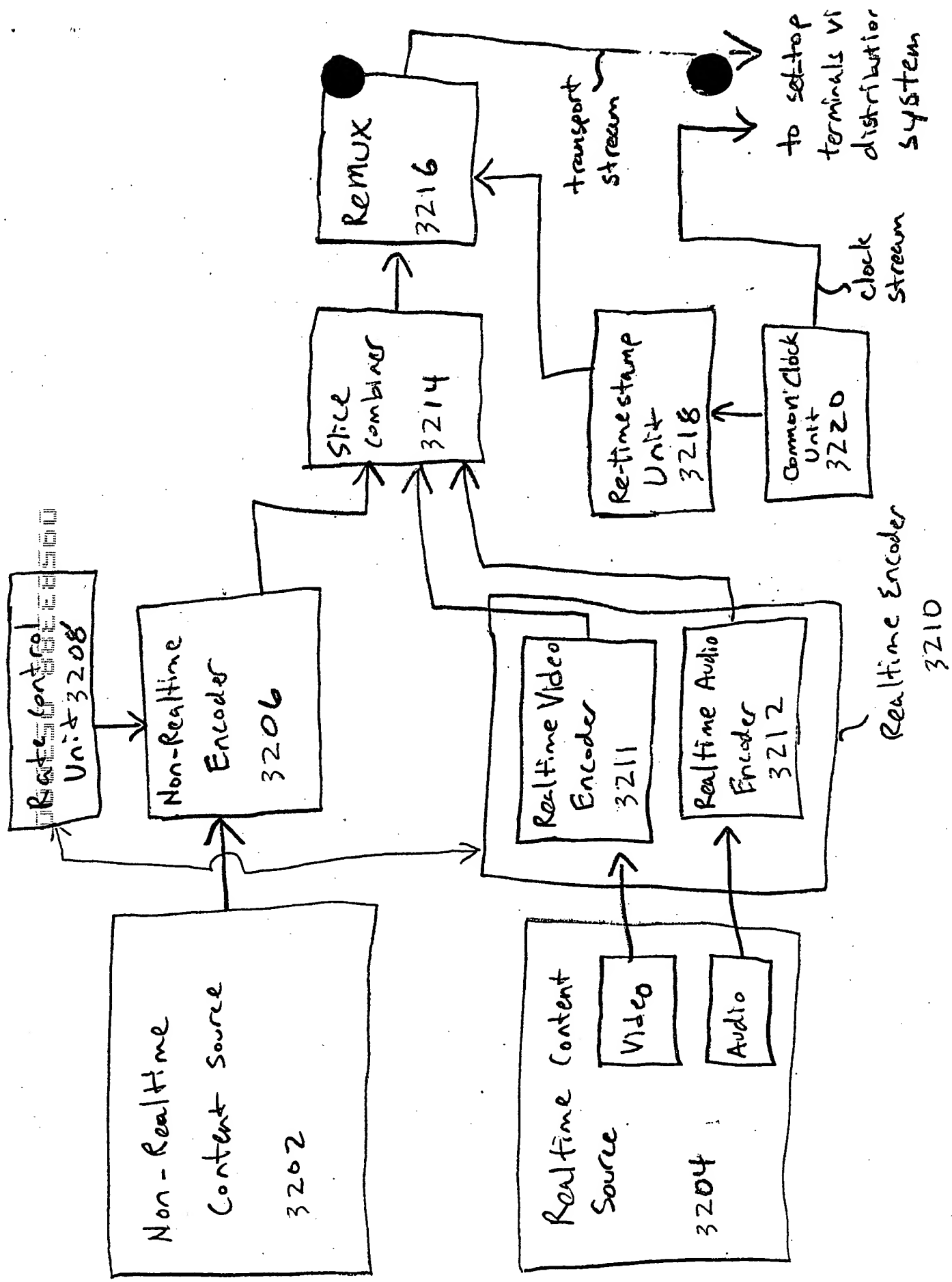


Fig. 32

Re-timestamping and Rate Control Apparatus

00000000000000000000

3304-0 ~
3304-1 ~
3304-2 ~
3304-3 ~
3304-4 ~
3304-5 ~
3304-6 ~
3304-7 ~

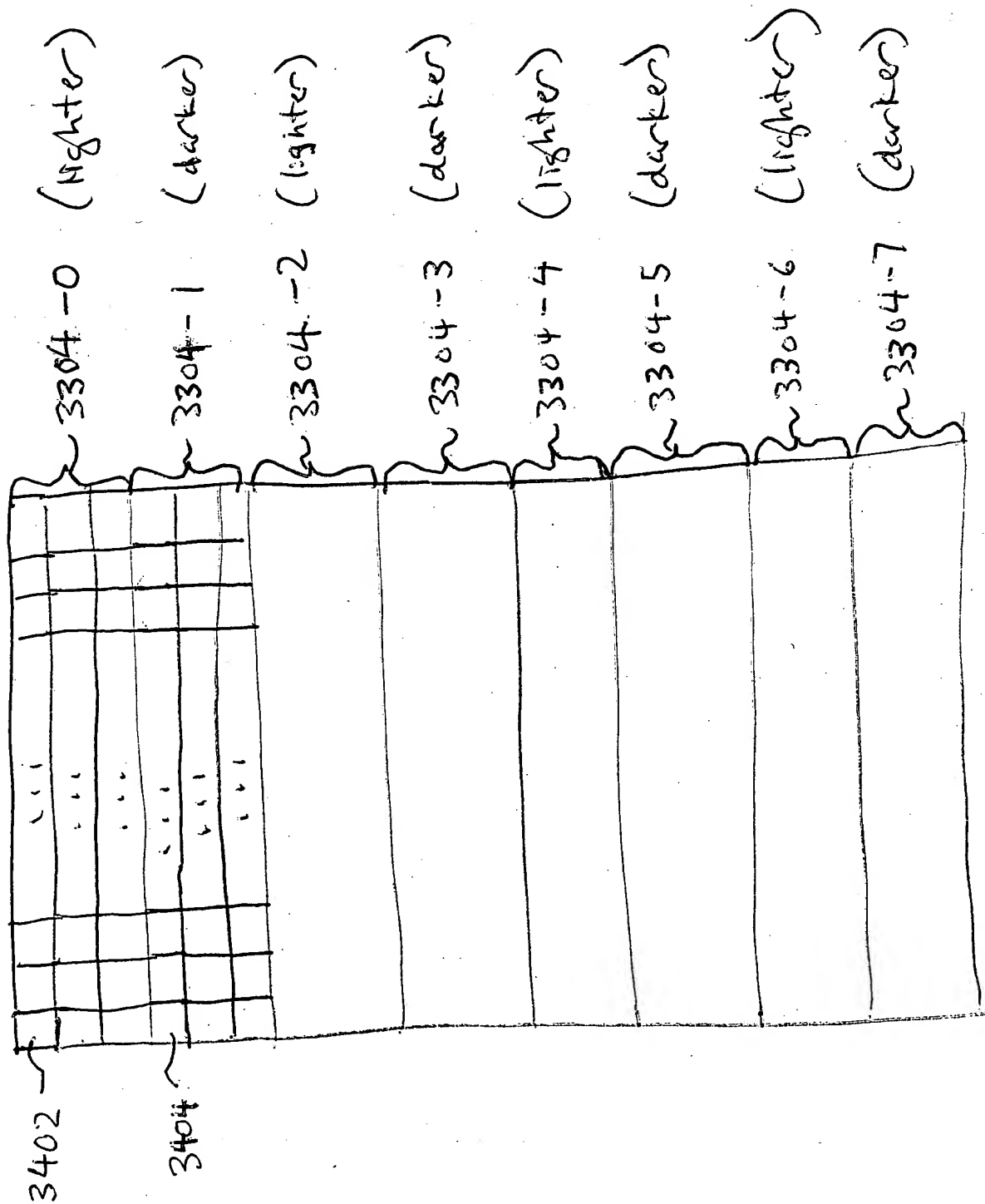
3301

3302

Fig. 33

3300

0000000000000000



3301

Fig. 34

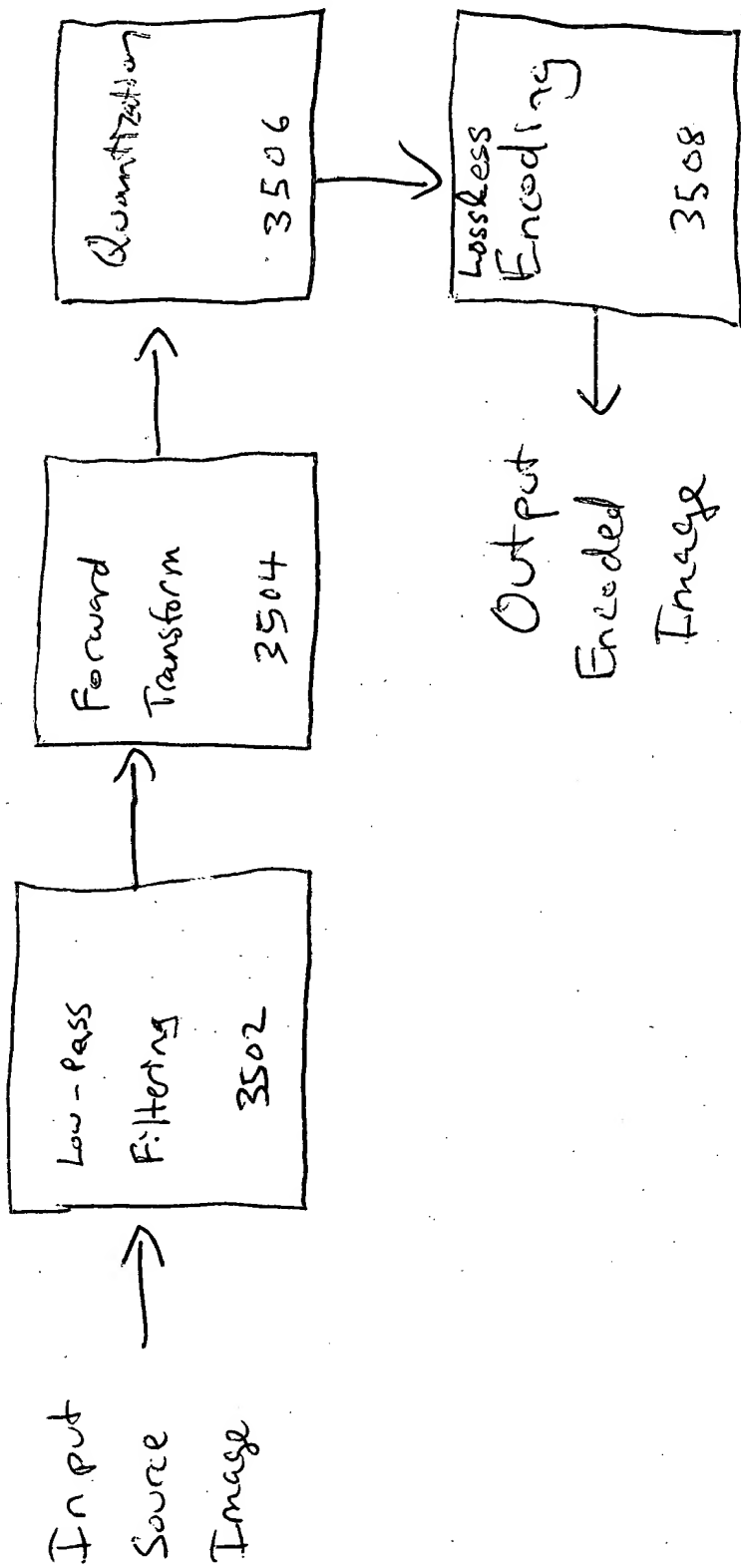


Fig. 35